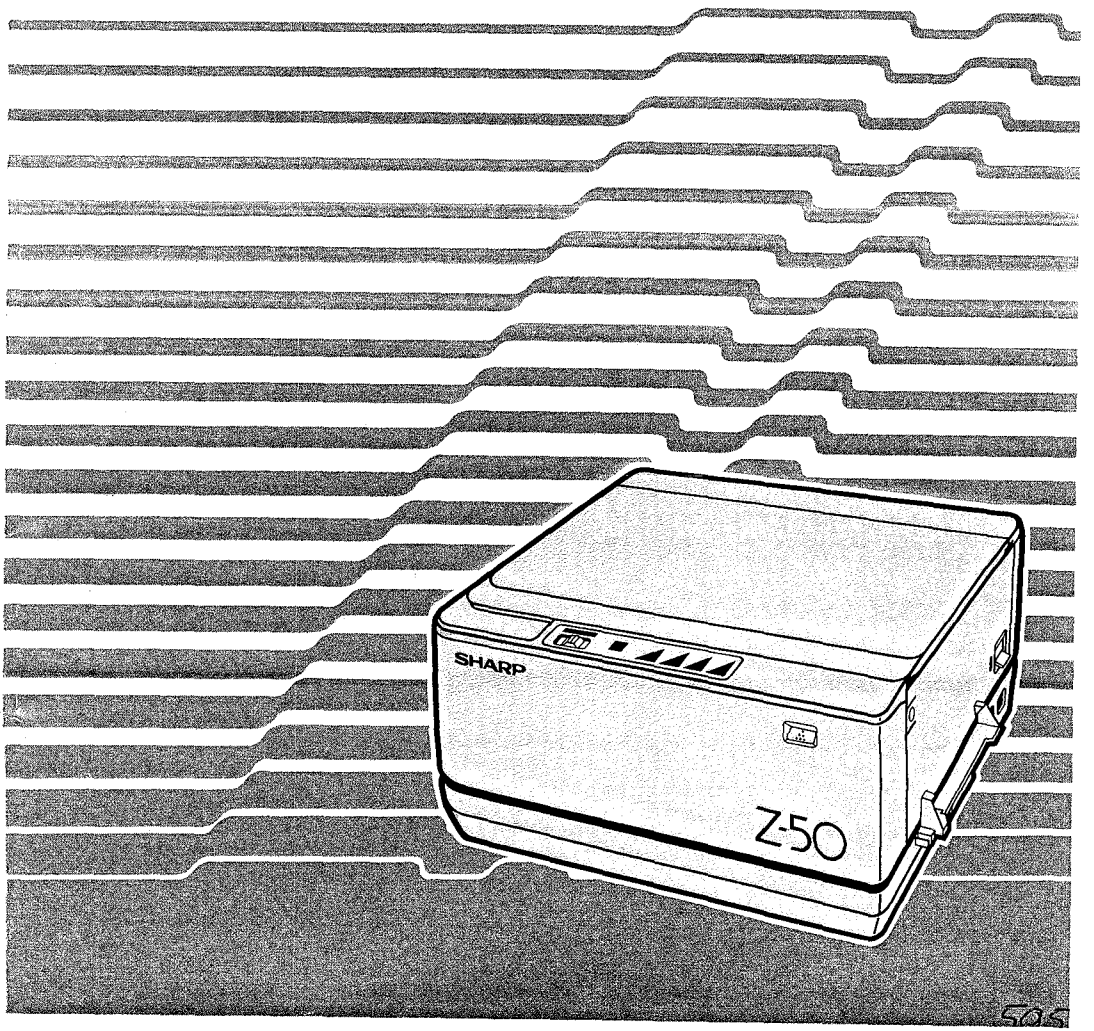
SHARP®

ELECTROSTATIC COPYING MACHINE

MODEL Z-50

OPERATION MANUAL



50S

In some areas, the POWER switch positions are marked "I" and " ⏻ " on the copier instead of ON and OFF.
The symbol " ⏻ " denotes the copier is not completely de-energized but in a standby condition at this POWER switch position.
If your copier is so marked, please read "I" for ON and " ⏻ " for OFF.

NOTE: For a complete electrical disconnection, pull out the mains plug.

INTRODUCTION

Welcome to the world of compact copying on the Z-50 Copier. The SHARP Z-50 has been designed for greater copying versatility while occupying a minimum amount of space and featuring intuitive operating ease. Special features include:

- Auto-repeat and auto-clear,
- Two-way paper feed,
- Automatic exposure control,
- Colour copying,
- Quick warm-up.

To get full use of all Copier features, be sure to familiarize yourself with this Manual and the Copier. For quick reference during Copier use, keep the Manual in a handy location.

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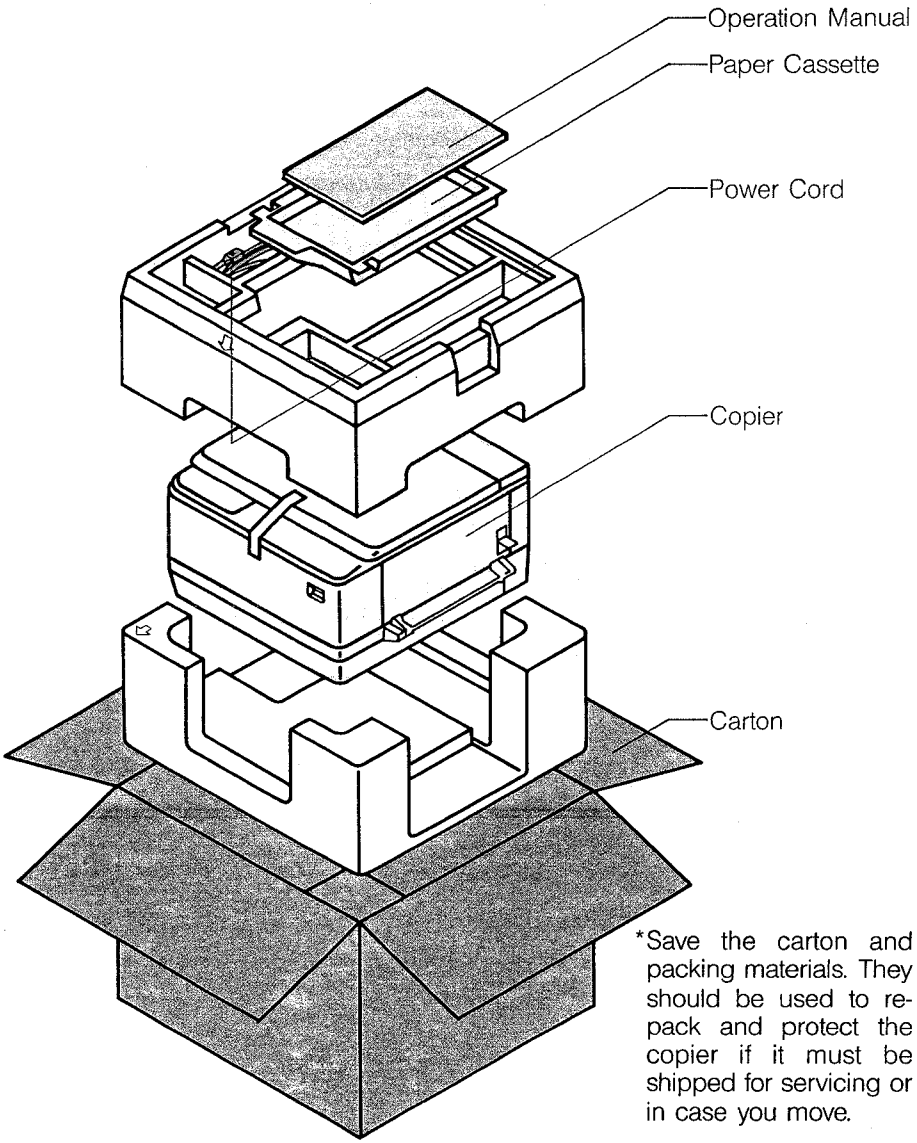
UNPACKING

Remove the contents in the following order.



*Save the carton and packing materials. They should be used to re-pack and protect the copier if it must be shipped for servicing or in case you move.

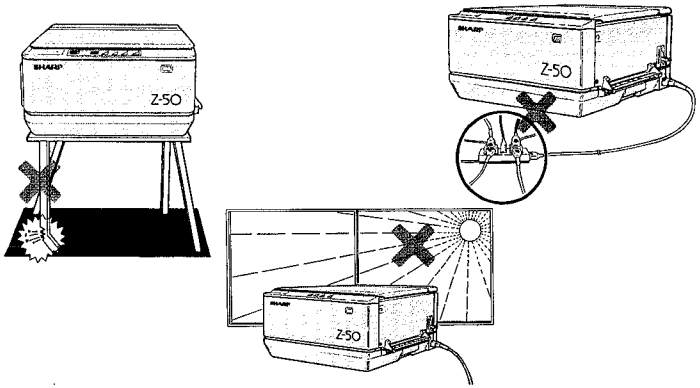
A WORD ON COPIER INSTALLATION

Improper installation may damage the copier. Please note the following during initial installation and whenever the copier is moved.

1. Be sure to use the rated power supply and to ground the copier.
2. Do not plug the copier into an outlet used by other appliances.
3. Do not install your copier in areas that are:

- damp, humid, or very dusty,
- exposed to direct sunlight,
- poorly ventilated,
- subject to extreme temperature or humidity changes, e.g. near an air conditioner or heater.

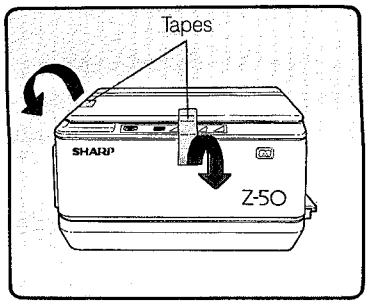
4. Place the copier on a firm, level surface.



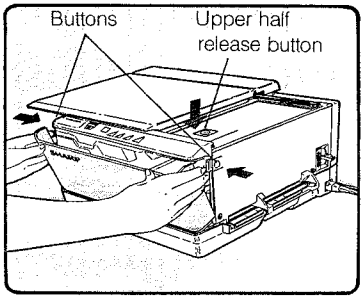
CAUTIONS

1. Do not touch the photoconductive drum. Scratches or smudges on the drum will cause dirty copies.
2. The fusing area is hot. Exercise care when inspecting this area.

SET-UP



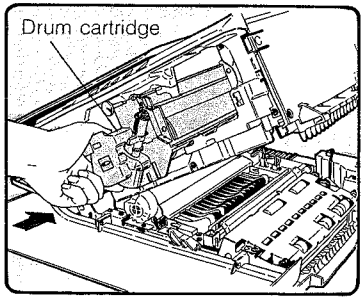
1. **Remove the copier from the bag, remove the tape holding the document cover and exit tray.**



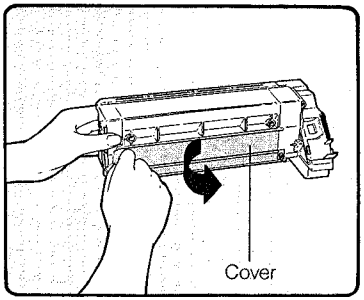
2. **Press the buttons on both sides of the copier and open the front cover.**

- If the drum cartridge is factory installed, skip steps 3 through 6 and proceed to step 7.

3. **Slide the document cover left and press the upper half release button to open the copier.**

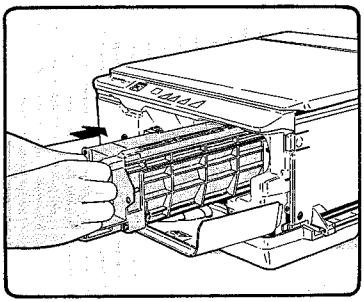


4. **Remove the cover from the drum cartridge.**
5. **Slide the drum cartridge into place.**
6. **Close the upper half, making sure it latches.**

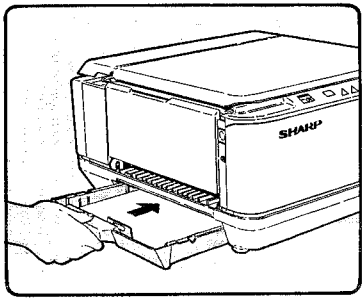


7. **Remove the developer cartridge from the bag and shake it horizontally four or five times.**
8. **Remove the cover from the developer cartridge.**

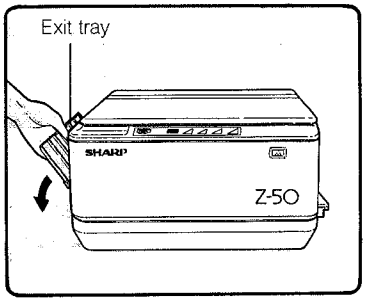
- Save the developer cartridge cover. It should be used to seal the developer cartridge if the copier must be shipped for servicing or in case you move. (See page 18.)



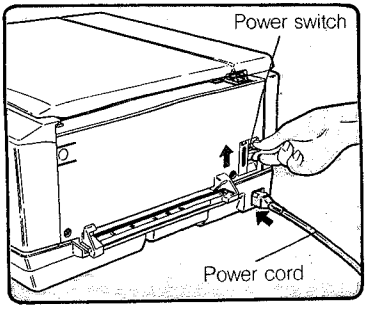
9. **Slide the developer cartridge in until it locks in place.**
10. **Close the front cover.**



11. **Remove the paper cassette from the bag.**
12. **Fan the copy paper and insert it into the cassette. (Maximum: 100 sheets)**
    See LOADING COPY PAPER, page 11.
13. **Insert the cassette into the copier.**



14. **Swing the exit tray down.**



15. **Plug the power cord into the copier and then into the nearest outlet.**
16. **Turn the power on.**

- Wait about two minutes for the READY indicator to light. Copying is now possible.

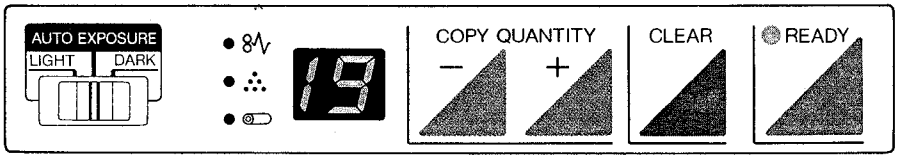
MAKING COPIES

❶ Open the document cover.

❷ Place the original in the upper right corner, and close the document cover.

❸ Select the number of copies desired.

- If a mistake is made, press the clear key to clear the entry or hold the copy quantity key down. The maximum number of copies is 19.
- "0" will make a single copy.



❹ Compensate for light or dark originals.

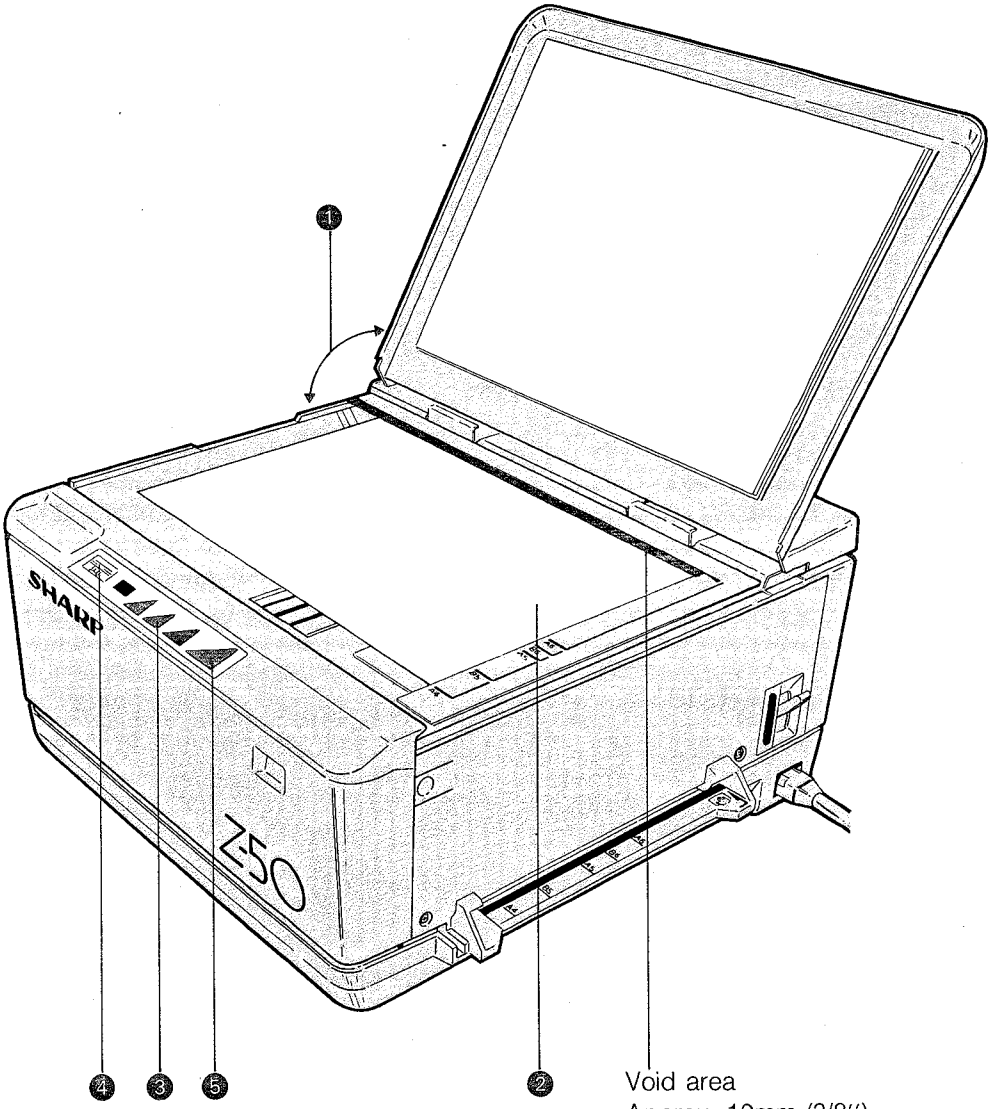
- Normally set to AUTO EXPOSURE.
- Set to DARK to darken the copy.
- Set to LIGHT to lighten the copy.

❺ Press the print key when the green light indicates that the copier is ready.

- Press the clear key to stop copying.

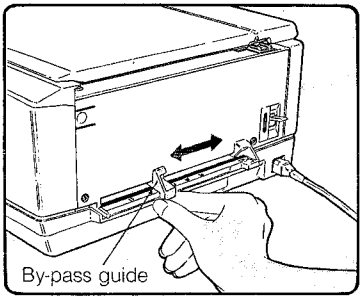
Automatic power save mode

The Z-50 enters the power save mode and the READY indicator starts blinking approximately 90 sec. after the last copy is made. Copying is possible in the power save mode, but the first copy may take a few seconds longer than usual.

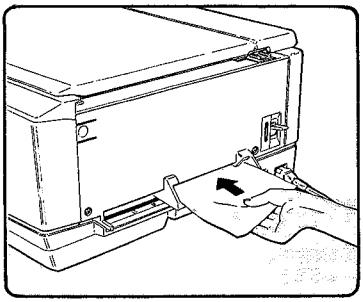

1
SHARP
Z-50
4
3
5
2
Void area
Approx. 10mm (3/8")

SPECIAL PAPERS (MANUAL BY-PASS FEED)

The manual feed by-pass is used to feed OHP films, labels, tracing paper, and other special purpose papers. For best results, use only Sharp recommended supplies. The maximum copy size is A4 (8-1/2″ × 11″). The minimum copy size is 55 × 91 mm (2″ × 3-1/2″).

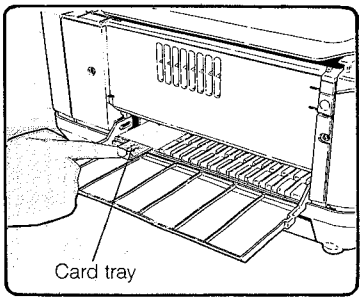


1. **Set the original face down on the document glass, and close the document cover.**
2. **Set the by-pass guide to the width of the copy paper.**



3. **Insert a single sheet of copy paper into the manual feed by-pass.**

- The paper will be fed automatically and the copy made.

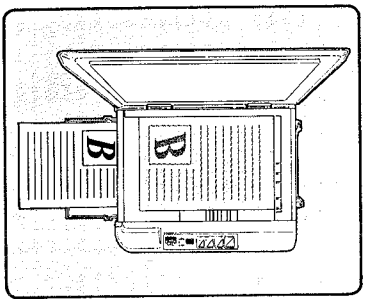


Copying on a business card

If copies are difficult to remove from the exit tray when copying on a business card or other small card, pull out the card tray to remove the copy.

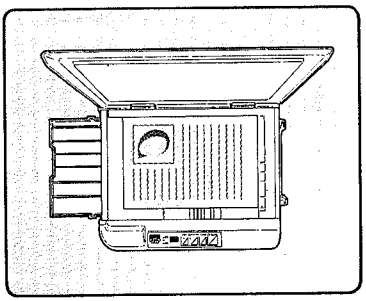
TWO-SIDED COPYING

Two-sided copies can also be made on the Z-50 by using the manual feed by-pass.



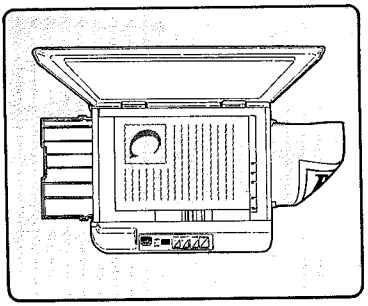
1. Place the first original (e.g. B) on the document glass and make a copy.

- The first copy can be made with paper from a cassette or the manual feed by-pass.



2. Replace original B with original C.

- Make sure the first and second originals are oriented the same way on the document glass.



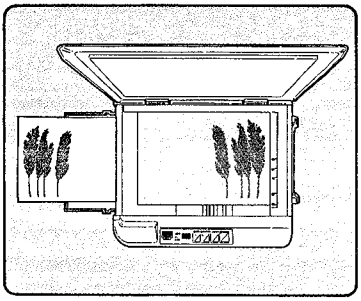
3. Turn the first copy (B) over, and feed it into the manual feed by-pass.

- Remove each two-sided copy promptly. Do not let copies stack up.

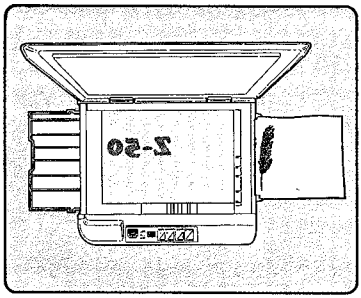
COLOUR COPYING

Colour developer cartridges (sold separately) can be installed to copy one colour at a time. Multiple colours can be copied on the same page by changing the colour developer cartridges and recopying on the same copy paper.
To order colour developer cartridges, use the part codes given below.

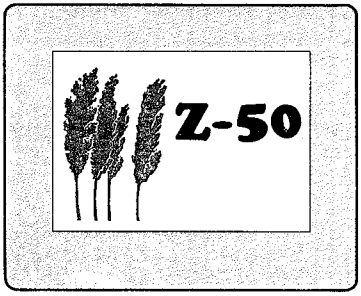
Black (ZT-50DC1)
Red (ZT-50DC2)
Blue (ZT-50DC3)
Brown (ZT-50DC4)
Green (ZT-50DC5)



1. **Install the desired colour developer cartridge.**
   - See DEVELOPER CARTRIDGE REPLACEMENT, page 13.
2. **Set the original, the number of copies, and press the print key.**



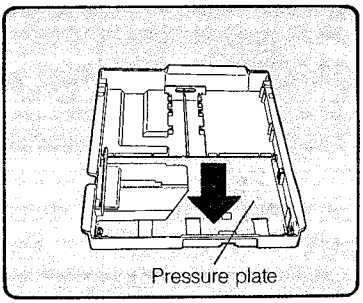
3. **Change the colour developer cartridge.**
4. **Feed the copy face up from the manual feed by-pass to copy a second colour.**



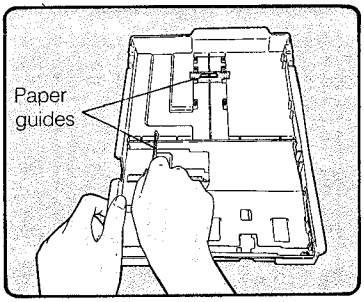
5. **Repeat steps 2 to 4 for all additional colours.**

LOADING COPY PAPER

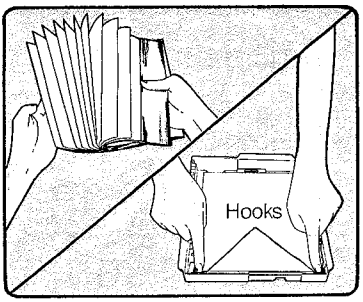
P appears in the copy quantity display when the paper cassette is empty or when the paper has not been fed all the way in. Check the cassette.



1. **Push the pressure plate until it locks in position.**



2. **Adjust the paper guides on the cassette to the copy paper width and length.**



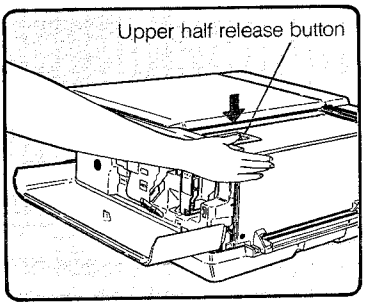
3. **Fan the copy paper and insert it into the cassette.**
   Make sure the edges go under the corner hooks.

- The cassette holds a maximum of 100 sheets.

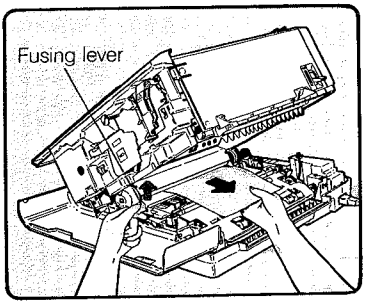
4. **Insert the cassette into the copier.**

MISFEED REMOVAL

When [8] blinks, the copier stops because of a misfeed.
If the paper becomes accidentally torn when removing a misfeed, be sure to remove all pieces.
Be careful not to damage the photoconductive drum or corona wires.



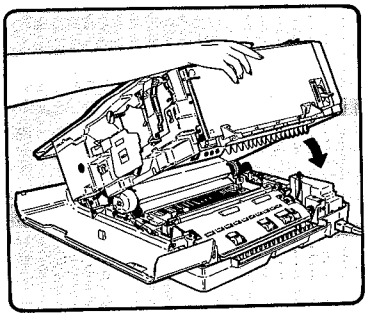
1. **Open the front cover.**
2. **Slide the document glass left and press the upper half release button to open the copier.**



3. **Carefully remove the misfed paper.**
4. **Lift the green fusing lever to remove a misfeed in the fusing area.**

CAUTION

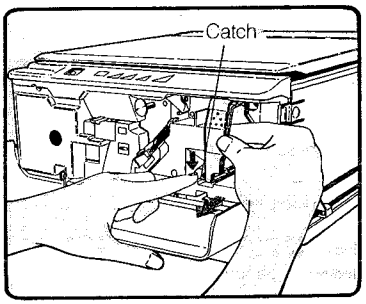
THE FUSING AREA IS HOT.



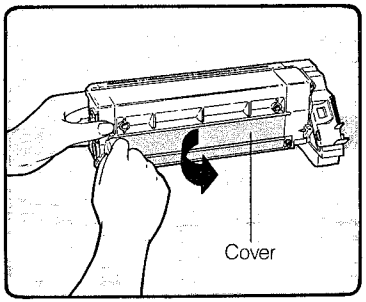
5. **Close the upper half and the front cover.**
6. **Reset the copy number and proceed with copying.**

DEVELOPER CARTRIDGE REPLACEMENT

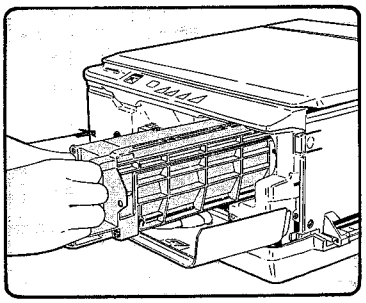
[∴] blinks when the developer cartridge is empty of toner. The copier stops after the copy run in progress has been completed.
The service life of the developer cartridge is estimated to be 3,000 copies of average letter type originals. If originals having pictures or other large dark areas are copied, the developer life will be reduced accordingly.
To replace the developer cartridge, follow the directions below.



1. **Open the front cover.**
2. **Press down on the catch and pull out the developer cartridge.**



3. **Shake the new developer cartridge horizontally four or five times and remove the cover.**

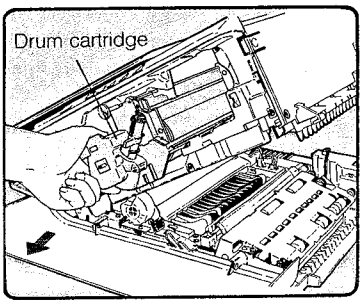


4. **Slide the new developer cartridge or the desired colour developer cartridge in until it locks in place.**
5. **Close the front cover.**

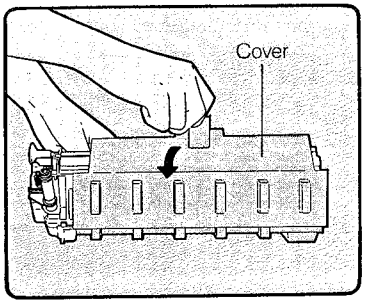
- After installing the new developer cartridge, wait approximately two minutes for the READY indicator to light up.

DRUM CARTRIDGE REPLACEMENT

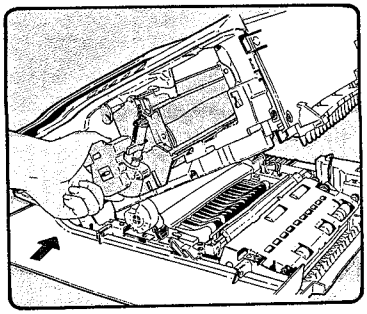
[⊙] lights up after approximately 8,000 copies have been made. This indicates that it is time to change the drum cartridge.
After making approximately 1,000 more copies, the copier will stop. Be sure you have a new drum cartridge ready for replacement.



1. **Open the front cover.**
2. **Press down on the catch and pull out the developer cartridge.**
3. **Press the upper half release button to open the copier.**
4. **Pull out the drum cartridge.**



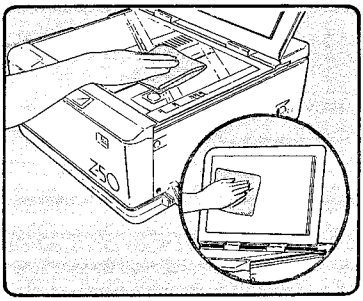
5. **Remove the cover from the new drum cartridge.**



6. **Slide the new drum cartridge in place.**
7. **Replace the developer cartridge, close the upper half so it latches and then close the front cover.**

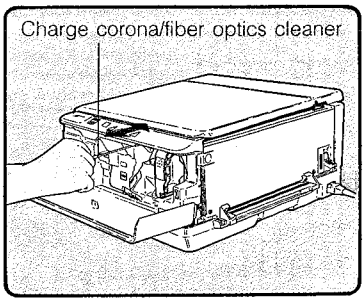
USER MAINTENANCE

Proper care is essential to clean, sharp copies. Be sure to take a few minutes to regularly clean your Z-50 copier.



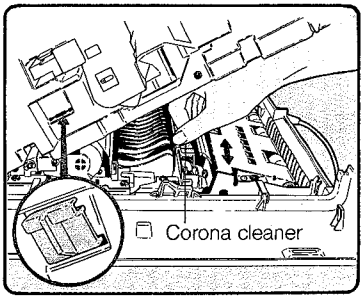
Document glass and cover

Stains on the glass or cover will also be copied. Wipe the glass and cover with a soft, clean cloth. If necessary, dampen the cloth with water or a glass cleaner.
Do not use thinner, benzene, or other volatile cleaning agents.



Charge corona and fiber optics

1. **Open the front cover.**
2. **Slide the built-in charge corona/fiber optics cleaner in and out a few times as shown in the figure.**



Transfer corona

1. **Open the front cover and the upper half.**
2. **Wipe the corona with the supplied corona cleaner as shown in the figure.**
3. **Replace the corona cleaner and close the copier.**

COPIER TROUBLE?

Copier does not work.

- Copier plugged in?
- Power switch ON?

Copier on but does not copy.

- Any trouble indicators on?
- Is there paper in the cassette? →See p. 11.

Blank copies

- Is the original placed face down on the document glass?

Light or dark copies

- Adjust the EXPOSURE control. →See p. 6.

Striped copies

- Is the document glass or cover dirty? →See p. 15.
- Clean the charge and transfer coronas and fiber optics. →See p. 15.

Paper misfeeds frequently.

- Is the copy paper properly loaded in the cassette and the guides adjusted to the paper size? →See p. 11.
- Is the copy paper damp? Use only dry, flat copy paper.
- Were "special papers" fed from the cassette? →See p. 8.

Images rub off the copy easily.

- Is the copy paper too heavy?
- Is there a misfeed in the fusing area? →See p. 12.
- Is the copy paper damp?

Please contact your authorized Sharp Service Centre immediately if the problem persists after checking the above.

Self-Diagnostic Function

The copier will not function if either of these codes appears on the copy quantity display.
In either case, service by your authorized Sharp Service Centre is required.

MOVING INSTRUCTIONS

1. **Open the copier and remove the developer cartridge.**
   - Replace the cover to the developer cartridge.
2. **Remove the paper cassette.**
3. **Close the copier and tape the exit tray and document cover.**
4. **Pack the copier by reversing the UNPACKING instructions on page 2.**

SPECIFICATIONS

Type	Desk-top
Copy system	Dry, electrostatic transfer system
Originals	Sheets, bound documents
Original size	Max. A4 (8-1/2″ × 11″)
Copy sizes	A4 (8-1/2″ × 11″) to A5 (8-1/2″ × 5-1/2″) by cassette feed and down to business cards by manual feed.
Copy speed	8 copies/min. (all sizes)
Continuous copy	Max. 19 copies; subtractive counter
First copy time	11 sec.
Warm-up	Approx. 20 sec.
Copy ratio	1:1
Exposure system	Slit exposure with moving document glass
Copy paper feed	Automatic cassette feed and manual feed
Fusing system	Heat rollers
Developing system	Magnetic brush development
Light source	Halogen lamp
Power supply	Local voltage ±10%
Power consumption	Max. 1,15 kW
Gross dimensions	710(W) × 410(D) mm 28″(W) × 16-1/8″(D)
Weight	16 kg (35 lbs.) (with developer and drum cartridges)
Copier dimensions	411(W) × 410(D) × 209(H) mm 16-3/16″(W) × 16-1/8″(D) × 8-1/4″(H)

Design and specifications are subject to change or improvement without notice.

MEMO

This apparatus complies with the requirements of EN 55014, 02.1987 and BS 800:1988.

Dieses Gerät stimmt mit den Bedingungen der EN 55014, 02.1987 überein.

Cet appareil répond aux spécifications de la EN 55014, 02.1987.

Dit apparaat voldoet aan de vereiste EN 55014, 02.1987.

Apparatet opfylder kravene i EN 55014, 02.1987.

Questo apparecchio è stato prodotto in conformità alle EN 55014, 02.1987.

Αύτή ή συσκευή τηρεῖ τίς προδιαγραφές τῆς EN 55014, 02.1987.

Este aparelho responde às especificações da EN 55014, 02.1987.

Este aparato cumple las especificaciones de la EN 55014, 02.1987.